

SEQUENCE LISTING

- <110> Dongbu Hannong Chemical Co., Ltd.
- 5 <120> The usage of MADS-box genes in fruit & seed development by regulation active gibberelin synthesis
- <130> 4FPO-12-13
- 10 <150> KR10-2004-6551
- <151> 2004-02-02
- <150> KR10-2004-10432
- <151> 2004-02-17
- 15 <160> 24
- <170> KopatentIn 1.71
- 20 <210> 1
- <211> 1065
- <212> DNA
- <213> Malus domestica
- 25 <220>

<221> gene

<222> (1)..(1065)

<223> Malus domestica mRNA for C-type MADS-box protein(MdMADS14)

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10

atttttcatc cttgtaacaa tggagttcgc aaatcaagca cctgagagct ctacccaaaa 180

aaaattggga agaggcaaaa ttgagattaa gcggatcgaa aacactacca atcgacaagt 240

15

caccttctgc aaacgccgca acggattgct taagaaagcc tatgaattgt ctgttctttg 300

tgatgctgaa gttgctctta tcgtcttctc caccctggc cgcctctatg agtatgctaa 360

caacagcgtt agagcaacaa tcgacaggta caaaaaagca tgcgctgatt ctacggacgg 420

20

tggatctgta tcagaagcta acactcagtt ttatcagcag gaagcatcaa aactgcgaag 480

acagatccga gaaattcaga attcaaacag gcatatactg ggggaatccc ttagcacctt 540

25

gaaagtcaag gaactgaaaa acctagaagg aagattggag aaaggaatca gcagaataag 600

atccaaaaag aatgaaatcc tgttttctga aatcgaattc atgcaaaaga gggagactga 660
 gctgcaacac cacaacaatt ttctgagagc aaagatagct gaaagcgaga gggaacagca 720
 5 gcagcagcaa acacataiga ttccgggaac ttcctacgat ccgtcgtatgc cticgaattc 780
 gtatgacagg aacttcttcc ctgtgatctt ggagtccaat aataaccatt accctcgcca 840
 10 aggccagaca gctctccaac ttgtttgaaa tgctggactg ccgtctgatg ttcttctatc 900
 catatcctct gatctgtctt cataaatcta tgagataatt gacgtttag tttttatgta 960
 tatgggagaa ccagtttgct catgttctcc ataatatata tatgtgtgat gatggacccc 1020
 15 aattctgtga taacatatat agtaaatttt attttctcac cccga 1065

<210> 2
 20 <211> 876
 <212> DNA
 <213> Malus domestica
 <220>
 25 <221> gene

<222> (1)..(876)

<223> Malus x domestica AGAMOUS-like protein mRNA, complete
 cds(MdMADS16)

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agctaacaga gaaaaccaca attcatcaat ttggaggggt ttttgccatt tttcatcctt 120

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gcaacaatgg agttcccaaa tcaagcaccc gagagctcct ccagaaaaa attgggaagg 180

ggcaaaattg agattaagcg gatcgaaaac actacaaatc gacaagttac cttctgcaaa 240

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cgccgcaacg gattgcttaa gaaagcctat gaattgtctg ttcittgtga tgctgaagtt 300

gctcttatcg tgttctccaa ccgtggccgc ctctatgagt atgctaaca cagtgttaga 360

gcaacaatcg acaggtacaa aaaagcatac gctgaccta cgaacagtgg atctgtttca 420

20

gaagccaaca ctcagtttta tcagcaggaa gcatccaaac tgcgaagaca gatccgagaa 480

attcagaatt caaacaggca tatactgggt gaagctctta gtccttgaa cgccaaggaa 540

25

ctgaagaacc tagaaggaag attggagaaa ggaatcagca gaataagatc caaaaagaat 600

gaaatgctgt ttictgaaat cgaattcatg caaaaaaggg agaccgagct gcaacaccac 660
 aacaattttc tgagagcaaa gatagctgaa aacgagaggg aagagcagca gcatacacac 720
 5 atgatgccgg gaacttccta cgatcagtca atgccttcgc attcttatga caggaacttc 780
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<220>
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 20

<220>
 <221> misc_feature
 <222> (1)..(20)
 25 <223> 6th, 12th, 15th nucleotide 'n' represent inosine

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<223> 9th and 18th nucleotide 'n' represent inosine

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<223> third forward primer

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<211> 27

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<210> 8

<211> 28

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ggctgcagga attcggcact aggcaatt

28

<210> 9

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<212> DNA

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<400> 13

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<210> 14

<211> 21

<212> DNA
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5 <223> ACTIN forward primer

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25 <210> 16

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<212> DNA

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<223> hybridization probe

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tcaatgcctt cgcattctta tgacaggaac ttctctccag cggatgatctt ggagtccaac 180

15 aataaccatt accctcacca agtccagaca gctctccaac ttgtttgaaa tgctggactg 240

ccgtctgat 249

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<210> 17

<211> 21

<212> DNA

<213> Artificial Sequence

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<210> 18

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<212> DNA

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15 <223> npt II reverse primer

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<210> 19

<211> 24

<212> DNA

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<400> 19
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15 <220>
<223> MdMADS reverse primer

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<210> 21
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10

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<212> DNA

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<223> RIN reverse primer

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<400> 22

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<210> 23

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<211> 18

<212> DNA

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5 <223> Le20ox-1 forward primer

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10

<210> 24

<211> 18

<212> DNA

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<220>

<223> Le20ox-1 reverse primer

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<400> 24

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18